

TRAY & VFD CABLES

TR 600 S CY Type TC-ER, MTW, WTTC and CSA approved

UV and oil resistant 90°C shielded flexible tray cable and machine-tool cable



SR FT4 OR AWM I/II A/B 90C 1000V FT4 RoHS

Marking for TR 600 S CY 93341625:

SAB NORTH AMERICA TR 600 S CY 93341625 16 AWG 25C (UL) TC-ER 90C DRY 75C WET 600V SUN RES DIR BUR OIL RES I/II OR WTTC 1000V OR MTW "FLEXING" OR DP-1 OR AWM 2586 CSA CIC-TC PVC/N 90°C DRY 75°C WET 600V -25°C SR FT4 OR AWM I/II A/B 90C 1000V FT4 RoHS CE

TR 600 S CY is a multi-conductor, UL & CSA approved shielded flexible tray cable. It is rated UL TC-ER, MTW, AWM and CSA CIC/TC for 600 V, 90°C and UL WTTC and CSA AWM 1000V. TR 600 S CY is UV, oil resistant (Oil Res I & II) and is submersible pump rated (3-7 cond.). This cable can be used without conduit (exposed runs). The reduced outer diameter permits easy handling and installation in confined areas. TR 600 S CY shielded tray cable is designed for use in all electrical equipment in dry, damp and wet conditions. Recommended applications are machine tools, control systems, assembly lines, CNC machining centers, grinding machines, bottling equipment, data processing equipment and connections between control panels and machines. TR 600 S CY is permitted to be used in hazardous (classified) locations Class I, Division 2 per NEC Article 501.4 (B) and is UL Type TC in acc. to UL standard 1277 and NEC Article 336 (392, 501). Additional uses include wind turbine power and control cable intended to be installed in cable trays or raceways within a wind turbine generator and NFPA 79 Machine areas.

Construction:

Conductor:	bare copper strands Class K (30 AWG multiple strands)
Insulation:	special formulated PVC/Nylon
Color code:	black conductors with consecutive white numbers; green-yellow earth wire from 3 conductors
Stranding:	in layers
Wrapping:	fleece tape
Screen:	tinned copper braiding (85% coverage)
Jacket material:	special oil resistant pressure extruded PVC
Jacket color:	black

Outstanding features:

- Flexible stranding for easy installation
- Oil resistant meeting UL Oil Res I and II
- NFPA 79 for Industrial Machinery
- UL TC-ER (exposed run)
- CSA approved for TC
- Submersible pump (14 AWG ≥, 3 thru 7 cond.)

Technical data:

Voltage:	UL-AWM / (UL) / CSA: 600 V (UL) WTTC: 1000 V	
Testing voltage:	2000 V	
Min. bending radius		
<i>fixed installation:</i>	6 x O.D.	
<i>free movement:</i>	8 x O.D.	
Temperature:	UL-AWM: up to +105°C -40°C	(UL) / CSA: up to +90°C
<i>static:</i>		
Burning characteristics:	(UL) FT4 and CSA FT1, FT2, FT4	
Oil resistance I + II:	yes	
Sunlight resistance:	yes	
Exposed Runs:	yes	
Cold bend test:	-40°C	
Direct Burial:	yes	
Machinery Area:	yes	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/25	

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item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
➤ 18 AWG				
93341803	3	0.319	8.1	73
93341804	4	0.341	8.7	87
93341805	5	0.367	9.3	98
93341807	7	0.394	10.0	118
93341812	12	0.499	12.7	191
93341818	18	0.604	15.3	276
93341825	25	0.693	17.6	373
➤ 16 AWG				
93341603	3	0.340	8.6	85
93341604	4	0.365	9.3	103
93341605	5	0.394	10.0	116
93341607	7	0.424	10.8	142
93341609	9	0.486	12.3	187
93341612	12	0.570	14.5	245
93341618	18	0.660	16.8	350
93341625	25	0.752	19.1	463

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
➤ 14 AWG				
93341403	3	0.384	9.8	110
93341404	4	0.414	10.5	131
93341405	5	0.448	11.4	152
93341407	7	0.484	12.3	199
93341412	12	0.659	16.7	350
93341418	18	0.760	19.3	482
93341425	25	0.917	23.3	701
➤ 12 AWG				
93341203	3	0.423	10.7	143
93341204	4	0.457	11.6	185

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
➤ 10 AWG				
93341004	4	0.614	15.6	290
➤ 8 AWG				
93340804	4	0.779	19.8	460
➤ 6 AWG				
93340604	4	0.908	23.1	660
➤ 4 AWG				
93340404	4	1.095	27.8	963
➤ 2 AWG				
93340204	4	1.266	32.2	1413

Other dimensions and colors are possible on request.